



BIOLOGY NMDCAT EARLIER PREP

PMC UNIT WISE TEST Unit-6

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SAEED MDCAT

03418729745(WhatsApp Groups)

TOPIC:

- ✓ **Life Processes in Animals & Plants (Nutrition, Gaseous Exchange & Transport)**

- Q.1** *Drosera intermedia* is commonly called:
- A. Sundew
B. Venus Fly Trap
C. Pitcher Plant
D. Dodder
- Q.2** It is a green watery fluid and contains no enzyme:
- A. Saliva
B. Pancreatic juice
C. Bile
D. Intestinal juice
- Q.3** Which salivary gland does not secrete amylase?
- A. Parotid
B. Submandibular
C. Sublingual
D. Submaxillary
- Q.4** Parotid glands are situated in front of the:
- A. Jaws
B. Ears
C. Tongue
D. Eyes
- Q.5** Which one of the following is not the function of stomach?
- A. Storage of food
B. Digestion of dipeptides
C. Mechanical digestion
D. Production of HCl
- Q.6** The pH of stomach is about:
- A. 3-4
B. 1-2
C. 2-3
D. 6-8
- Q.7** Which one of the following secretes the pepsinogen?
- A. Mucous cell
B. Parietal cell
C. Oxyntic cell
D. Zymogen cell
- Q.8** Peristalsis takes place in:
- A. Esophagus only
B. Esophagus and stomach
C. Small and large intestine
D. Almost entire intestinal tract
- Q.9** Digestion of protein takes place in:
- A. Intestine and rectum
B. Small and large intestine
C. Stomach and duodenum
D. Stomach and esophagus
- Q.10** End products of protein digestion are:
- A. Amino Acids
B. Tripeptides
C. Dipeptides
D. Glucose
- Q.11** Chyle is formed in:
- A. Stomach
B. Large intestine
C. Small intestine
D. Esophagus
- Q.12** Secretion that digests proteins only:
- A. Saliva
B. Pancreatic juice
C. Gastric juice
D. Bile
- Q.13** Energy is obtained from food in process of:
- A. Assimilation
B. Decomposition
C. Digestion
D. Respiration
- Q.14** Which part of our body secretes the hormone secretin?
- A. Ileum
B. Stomach
C. Duodenum
D. Esophagus
- Q.15** If undigested food passes too quickly through large intestine, resulting disorder would be:
- A. Food poisoning
B. Constipation
C. Diarrhea
D. Piles



- Q.16** The movement of digestive products, electrolytes, vitamins and water across the gastrointestinal tract epithelium and into the underlying blood and lymphatic vessels is called:
- A. Ingestion
B. Digestion
C. Absorption
D. Secretion
- Q.17** Soil deficient in _____ causes leaf margins yellow and brown in colour and premature death of the plant.
- A. Phosphorus
B. Magnesium
C. Potassium
D. Iron
- Q.18** The mode of respiration in a mammal is:
- A. Mucosal
B. Cutaneous
C. Tracheal
D. Pulmonary
- Q.19** The structure which does not contribute to the breathing movements in humans is:
- A. Rib
B. Diaphragm
C. Larynx
D. Intercostal muscles
- Q.20** Oxyhemoglobin is formed in:
- A. Lungs
B. Left atrium
C. Right atrium
D. Bone marrow
- Q.21** Passage way of trachea is kept open by rings of:
- A. Striated muscle
B. Mucus
C. Cartilage
D. Sinuses
- Q.22** The rate of breathing is controlled by the:
- A. Lungs
B. Medulla
C. Bronchi
D. Diaphragm
- Q.23** The breathing rate is increased by an increase of _____ in the blood.
- A. Oxygen
B. Carbon monoxide
C. Nitrogen
D. Carbon dioxide
- Q.24** Functional units of lungs are:
- A. Bronchi
B. Air sacs
C. Bronchioles
D. Alveoli
- Q.25** Hemoglobin cannot bind with:
- A. O_2
B. CO_2
C. CO
D. N_2
- Q.26** At lungs, all of the following factors force oxygen to bind with hemoglobin except:
- A. Decreased temperature
B. Decreased pH
C. Decreased pCO_2
D. Increased pO_2
- Q.27** Maximally CO_2 is transferred through blood:
- A. In form of HCO_3^-
B. Being dissolved in plasma
C. In form of carbamino haemoglobin
D. Bound with K^+
- Q.28** Two passages arise from pharynx i.e. windpipe and esophagus. Which of the following prevents entry of food in windpipe?
- A. The uvula
B. The trachea
C. The tongue
D. The epiglottis
- Q.29** C-shaped cartilaginous rings supporting the trachea are made up of:
- A. Elastic cartilage
B. Hyaline cartilage
C. Fibrous cartilage
D. Calcified cartilage
- Q.30** Respiratory distress syndrome is common in:
- A. All newborns
B. Premature infants
C. Adults
D. Older people
- Q.31** When oxygen tension is 115 mm of mercury then hemoglobin saturation is?
- A. 100%
B. 98%
C. 78%
D. 68%
- Q.32** Select the incorrect statements from the following:
- A. Diffusion of O_2 occurs from alveoli to tissue
B. Diffusion of CO_2 occurs from tissue to alveoli
C. In body fluids, CO_2 is more soluble than O_2



- D. Partial pressure of O_2 is higher in pulmonary artery than that of pulmonary vein
- Q.33 100 ml of arterial blood of human being contains CO_2 :**
A. 50 ml B. 54 ml
C. 56 ml D. 58 ml
- Q.34 More than ten compounds of tar of tobacco smoke are included in causing:**
A. Cancer B. Tuberculosis
C. Asthma D. Emphysema
- Q.35 The casparian strips are present in:**
A. Cortex cells of roots B. Endodermis cells of roots
C. Cells of pericycle D. Cells of phloem
- Q.36 Attraction between water molecules in xylem tissues is called:**
A. Tension B. Adhesion
C. Cohesion D. Imbibition
- Q.37 The ions involved in the opening and closing of stomata are:**
A. Sodium B. Calcium
C. Potassium D. Magnesium
- Q.38 The cells which supply ATP and proteins to sieve tubes are:**
A. Companion B. Epidermal
C. Tracheids D. Vessels
- Q.39 Which one of the following is not a part of blood circulatory system?**
A. Blood B. Heart
C. Blood vessels D. Lacteal
- Q.40 Which one of the following is included in agranulocytes?**
A. Basophils B. Eosinophils
C. Lymphocytes D. Neutrophils
- Q.41 In the embryonic life the red blood cells are formed in:**
A. Red bone marrow B. Liver and spleen
C. In bone marrow of sternum and ribs D. Bone marrow of vertebrae
- Q.42 Least blood pressure is seen in:**
A. Aorta B. Arterioles
C. Capillaries D. Vena cava
- Q.43 All of the following statements about white blood cells are true except:**
A. They are formed in lymph nodes B. They destroy bacteria
C. They are formed in bone marrow D. They can't move
- Q.44 The cells of the heart are nourished by the:**
A. Carotid arteries B. Blood in its chambers directly
C. Coronary arteries D. Pulmonary arteries
- Q.45 The thoracic duct is part of the:**
A. Skeletal system B. Lymphatic system
C. Digestive system D. Excretory system
- Q.46 Plasma cells are formed by differentiation of:**
A. Eosinophils B. B-lymphocytes
C. Basophils D. T-lymphocytes
- Q.47 In parasitic infestations _____ are most likely to be increased.**
A. Neutrophils B. Basophils
C. Eosinophils D. Lymphocyte
- Q.48 Vaccination is the example of:**
A. Artificial Active Immunity B. Natural Active immunity
C. Artificial passive immunity D. Natural passive immunity



- Q.49** Blood clot is also a part of our defense system. It is part of:
- A. Physical barrier
 - B. Chemical barrier
 - C. Cellular barrier
 - D. Mechanical barrier
- Q.50** Thymus is involved in maturation of:
- A. Monocytes
 - B. B-lymphocytes
 - C. T-lymphocytes
 - D. Monocytes

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ENGLISH

1-A	9-C	17-C	25-B
2-B	10-D	18-D	26-A
3-B	11-D	19-C	27-D
4-C	12-B	20-A	28-C
5-D	13-A	21-C	29-A
6-D	14-B	22-C	30-D
7-B	15-A	23-A	
8-B	16-A	24-C	

Biology

1-A	11-C	21-C	31-B	41-B
2-C	12-C	22-B	32-D	42-D
3-B	13-D	23-D	33-A	43-D
4-B	14-C	24-B	34-A	44-C
5-B	15-C	25-D	35-B	45-B
6-B	16-C	26-B	36-C	46-B
7-D	17-C	27-A	37-C	47-B
8-D	18-D	28-D	38-A	48-A
9-C	19-C	29-B	39-D	49-A
10-A	20-A	30-B	40-C	50-C